

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

MAY 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Celery growing. W. R. Beattie, Bureau of Plant Industry. 46 p., illus. (F. L. 1269F., rev.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Growth and survival of deciduous trees in shelter-belt experiments at Mandan, N. Dak., 1915-34. Ernest J. George, Bureau of Plant Industry. 48 p., illus. (T. B. 496T.) Price, 5¢.

Deals with shelter-belt combination experiments with broadleaf trees begun in 1915. These were set out as representative of typical shelterbelts which it was expected would be established on farms in connection with the cooperative demonstration shelterbelt project.

Positions of seeds and notes in locks and lengths of cotton fibers from bolls borne at different positions on plants at Greenville, Tex. Dow D. Porter, Bureau of Plant Industry. 14 p., illus. (T. B. 509T.) Price, 5¢.

Fills the need for specific information in regard to the number of notes in different varieties, their positions in the locks, the number of mature seeds in locks, length of fiber on notes and on seeds, and the possible correlation of number of mature seeds in locks and the length of lint.

Cotton fabrics as affected by variations in pressure and in length of exposure during ironing. K. Melvina Downey and Ruth E. Elmqvist, Bureau of Home Economics. 32 p., illus. (T. B. 517T.) Price, 5¢.

The proper finishing of cotton fabrics involves a knowledge of the effect of such factors as temperature, applied mechanical pressure, and time of contact with the heated surface. The present study is an initial attempt to evaluate the combined result of these variables upon cotton fabrics of known history.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Tulips. David Griffiths, Bureau of Plant Industry. 64 p., illus. (Cir. 372C.) Price, 10¢.

This circular shows how to produce high-quality tulip stocks, and why the domestic bulbs should be and are the equal of any.

The wax moth and its control. Warren Whitcomb, Jr., Bureau of Entomology and Plant Quarantine. 14 p., illus. (Cir. 386C.) Price, 5¢.

Discusses the economic importance of the wax moth, including losses caused by it and benefits derived from its destructiveness. Gives the life history of the insect and recommendations for its control.

Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934. D. B. Bagnell, Grain Futures Administration. 20 p. Illus. (Cir. 397C.) Price, 5¢.

This investigation was in the form of cross-section analyses or surveys. Information was obtained as to the class, geographical locations, and the market position of the various individuals, firms, and corporations holding open contracts on the dates mentioned.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Development and use of standards for grade, color, and character of American cotton linters. Guy S. Meloy, Bureau of Agricultural Economics. 12 p. (M. P. 242MP.) Price, 5¢.

Defines cotton linters and the terms used in the industry. Describes the standards and gives rules used in connection with their use.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Carlot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934. Bureau of Agricultural Economics. 206 p. (S. B. 53S.) Price, 15¢.

Information contained supplements that in Statistical Bulletin 46, Car-Lot Shipments and Unloads of Important Fruits and Vegetables for the Calendar Years 1931 and 1932, and is based on reports secured by the market news service of the Division of Fruits and Vegetables, Bureau of Agricultural Economics.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Revision of standards for grades of American upland cotton. Bureau of Agricultural Economics. (S. R. A.-B. A. E. 150.) 10 p.¹

Regulations governing the meat inspection of the United States Department of Agriculture. Amendment to Regulation 18, B. A. I. Order 211, revised. Bureau of Animal Industry. 1 p. (Amdt. 10 to B. A. I. Order 211, rev.)¹

Bureau of Animal Industry, service and regulatory announcements. May 1936. pp. 35-45. (S. R. A.-B. A. I. 348.) Price, 5¢ each.²

Modification of Dutch elm disease quarantine regulations. Revision of Regulation 3. Effective April 1, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q-Q. 71.)¹

Notices of judgment under the Caustic Poison Act. Food and Drug Administration. 4 p. (N. J. C. P. 34-40).¹

Notices of judgment under the Food and Drugs Act. Index to nos. 10001-20000. Food and Drug Administration. 195 p.¹

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

Louisiana, Livingston Parish. (No. 22, series 1931.) 35 p., illus. Price, 30¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 5, May 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

Crops and markets. Vol. 13, no. 4, April 1936. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Extension service review. Vol. 7, no. 5, May 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Reprints, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Journal of agricultural research. Vol. 52, no. 5, March 1, 1936. Illus.

Contents:

- Some storage diseases of grapefruit (G-987). Charles Brooks and Lacy P. McColloch.
- Extent of vertical migration of horse strongyle larvae in soils of different types (A-168). John T. Lucker.
- Zinc and other mineral constituents in relation to the rosette disease of pecan trees (Ariz.-10). A. H. Finch.
- The isolation of a hemophilic bacillus in pure culture and the reaction of chickens to extranasal inoculations thereof (R. I.-4.). J. P. Delaplane, L. E. Erwin, and H. O. Stuart.
- Chromosome behavior in blackberry-raspberry hybrids (Tex.-14). S. H. Yarnell.

— Vol. 52, no. 6. March 15, 1936. Illus.

Contents:

- Black chaff disease of wheat (G-1001). R. H. Bamberg.
- Three blue-staining fungi, including two new species, associated with bark beetles (G-999). Caroline T. Rumbold.
- Relation of accessory growth substances to heavy metals, including molybdenum, in the nutrition of *Aspergillus niger* (G-1004). Robert A. Steinberg.
- Chrysis shanghaiensis* Smith, a parasite of the oriental moth (K-264). D. E. Parker.
- The influence of varying amounts of water-soluble phosphorus in different soil types on the response of cultivated crops (Fla.-19). O. C. Bryan and W. M. Neal.
- The function of copper in soils and its relation to the availability of iron and manganese (N. C.-32). L. G. Willis and J. R. Piland.

— Vol. 52, no. 8, April 15, 1936. Illus.

Contents:

- Influence of temperature and other factors on the morphology of the wheat seedling (G-1005). J. W. Taylor and M. A. McCall.
- Crown and root development in wheat varieties (G-1006). R. B. Webb and D. E. Stephens.
- Certain insect vectors of *Aplanobacter stewartii* (K-266). F. W. Poos and Charlotte Elliott.
- Growth inhibition in the potato caused by a gas emanating from apples (Kans.-79). O. H. Elmer.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Journal of agricultural research. Vol. 52, no. 8, April 15, 1936. Illus.

Contents—Continued.

Seed germination in *Lobelia* with special reference to the influence of light on *Lobelia inflata* (N. Y. (Cornell)—34). W. C. Muenscher.

Time interval between eggs of Rhode Island Red pullets (Mass.—45). F. A. Hays.

Accuracy of the determination of lead and arsenic on apples (Pa.—54). Donald E. H. Frear and W. S. Hodgkiss.

Monthly weather review. Vol. 63, 1935. Table of contents and index; vol. 64, no. 2, February 1936. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contain (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 17, no. 2, April; no. 3, May 1936. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Soil conservation. Vol. 1, no. 10, May 1936. Price, 10¢ a copy; \$1 per year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 18-22, May 5-26, 1936. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.